

REPORT NUMBER: ITL61278

DATE: 11/10/08

PREPARED FOR: SCOTT ARCHITECTURAL LIGHTING

LUMINAIRE: FABRICATED WHITE PAINTED METAL BALLAST HOUSING, TRANSLUCENT WHITE CYLINDRICAL GLASS DIFFUSER WITH WHITE FINISHED INTERIOR, FABRICATED SEMI-SPECULAR METAL DIFFUSER MOUNTING FRAME, OPEN BOTTOM.

LAMP: ONE 26-WATT TRIPLE TWIN TUBE COMPACT FLUORESCENT, SYLVANIA CF26DT/E/IN/830, VERTICAL BASE-UP POSITION.

BALLAST: ADVANCE ICF-2S26-H1-LD

MOUNTING: SURFACE

TOTAL INPUT WATTS = 28.0 AT 120.0 VOLTS

REPORT IS BASED ON 1800 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	112	112	112	112	112	
5	134	134	132	130	127	13
15	185	185	185	182	182	52
25	206	208	208	212	212	97
35	197	194	197	199	202	125
45	168	162	165	164	170	130
55	139	126	135	123	134	119
65	125	111	120	105	117	115
75	115	100	110	93	105	111
85	106	91	101	84	96	104
90	101	86	95	79	90	
95	98	84	92	76	87	95
105	94	80	88	73	83	88
115	86	74	81	67	77	76
125	75	65	71	59	67	60
135	62	53	59	49	55	43
145	47	41	45	37	42	26
155	31	27	30	25	28	13
165	13	13	14	13	13	4
175	1	1	1	2	1	0
180	0	0	0	0	0	

FLUX

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	162	9.0	12.7
0- 40	287	15.9	22.6
0- 60	536	29.8	42.2
0- 90	866	48.1	68.2
90-120	258	14.3	20.3
90-130	318	17.7	25.0
90-150	387	21.5	30.5
90-180	404	22.4	31.8
0-180	1270	70.5	100.0

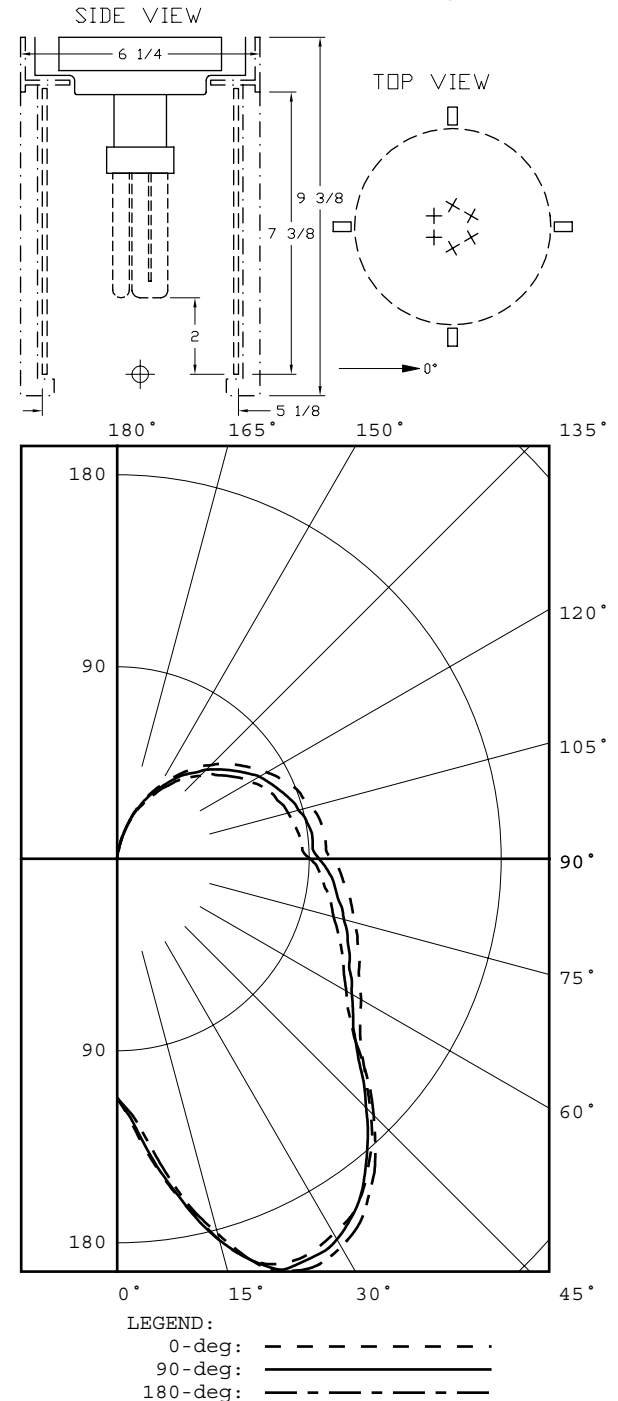
TOTAL LUMINAIRE EFFICIENCY = 70.5 %

CIE TYPE - SEMI-DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

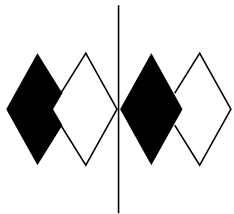
SPACING CRITERIA : 2.1 2.0 2.1

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



Checked N. WHITE

Approved R. BEATTIE



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

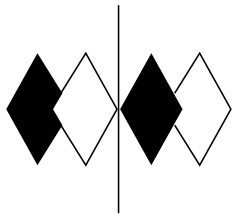
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	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	112	112	112	112	112	112	112	112	112
5.0	134	129	134	128	132	126	130	124	127
10.0	160	156	160	155	159	152	155	150	156
15.0	185	183	185	180	185	178	182	178	182
20.0	202	203	203	202	203	201	203	201	204
25.0	206	211	208	211	208	212	212	213	212
30.0	203	209	204	211	206	212	209	212	210
35.0	197	201	194	202	197	204	199	205	202
40.0	184	188	178	188	182	190	183	191	188
45.0	168	172	162	171	165	172	164	173	170
50.0	151	152	141	152	148	153	143	154	151
55.0	139	135	126	135	135	133	123	133	134
60.0	132	127	118	126	127	122	113	121	124
65.0	125	120	111	119	120	114	105	114	117
70.0	120	114	105	113	115	108	99	107	111
75.0	115	109	100	108	110	103	93	102	105
80.0	111	104	95	104	105	98	88	97	101
85.0	106	100	91	99	101	94	84	92	96
90.0	101	94	86	94	95	88	79	86	90
95.0	98	92	84	91	92	85	76	83	87
100.0	97	90	83	89	91	83	75	81	85
105.0	94	88	80	87	88	81	73	79	83
110.0	91	84	77	84	85	78	71	76	80
115.0	86	80	74	80	81	75	67	72	77
120.0	81	75	70	75	77	70	64	68	72
125.0	75	70	65	69	71	65	59	63	67
130.0	69	63	59	63	65	59	54	57	61
135.0	62	57	53	57	59	54	49	52	55
140.0	55	50	47	50	52	47	43	46	49
145.0	47	43	41	43	45	41	37	39	42
150.0	39	36	34	36	37	34	31	33	35
155.0	31	28	27	28	30	27	25	26	28
160.0	23	20	20	20	22	20	19	19	21
165.0	13	12	13	12	14	12	13	12	13
170.0	5	4	6	5	6	5	6	5	6
175.0	1	1	1	1	1	1	2	1	1
180.0	0	0	0	0	0	0	0	0	0



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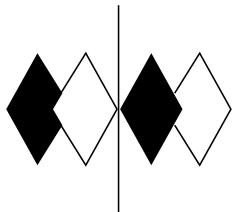
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ZONAL LUMEN SUMMARY

0- 5	3.
5- 10	10.
10- 15	20.
15- 20	32.
20- 25	44.
25- 30	53.
30- 35	60.
35- 40	65.
40- 45	66.
45- 50	64.
50- 55	61.
55- 60	59.
60- 65	58.
65- 70	57.
70- 75	56.
75- 80	55.
80- 85	53.
85- 90	51.
90- 95	48.
95-100	47.
100-105	45.
105-110	43.
110-115	40.
115-120	36.
120-125	32.
125-130	28.
130-135	24.
135-140	19.
140-145	15.
145-150	11.
150-155	8.
155-160	5.
160-165	3.
165-170	1.
170-175	0.
175-180	0.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	79	79	79	79	74	74	74	74	66	66	66	58	58	58	51	51	51	48
1	69	65	61	58	65	61	58	55	54	51	49	47	45	43	41	40	38	35
2	62	56	50	45	58	52	47	43	46	42	39	40	37	35	35	33	31	28
3	56	48	42	37	53	45	40	35	40	35	32	35	31	28	30	28	25	22
4	51	42	36	31	48	40	34	29	35	30	26	31	27	24	27	24	21	19
5	47	37	31	26	44	35	29	25	31	26	22	27	23	20	24	21	18	16
6	43	33	27	22	40	32	26	21	28	23	19	25	21	17	22	18	16	14
7	40	30	24	19	37	28	23	19	25	20	17	22	18	15	20	16	14	12
8	37	27	21	17	34	26	20	16	23	18	15	20	16	13	18	15	12	10
9	34	25	19	15	32	23	18	14	21	16	13	19	15	12	16	13	11	9
10	32	23	17	13	30	22	16	13	19	15	12	17	13	11	15	12	10	8

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.